

```
show files
File 625:American Banker Publications 1981-2003/Dec 31
    (c) 2003 American Banker
File 268:Banking Info Source 1981-2003/Dec W3
    (c) 2003 ProQuest Info&Learning
File 626:Bond Buyer Full Text 1981-2003/Dec 31
    (c) 2003 Bond Buyer
File 267:Finance & Banking Newsletters 2003/Dec 22
    (c) 2003 The Dialog Corp.
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Set	Items	Description
S1	613	VENDING(3N) MACHINE?
S2	1827	(CASH OR COIN? OR MONEY OR BILL OR BILLS) (3N) (MACHINE OR D- ISPENSER?)
S3	9364	(AGGREGAT? OR COLLECT? OR ANALY? OR MONITOR?) (3N) (DATA OR - STATISTICS OR USAGE)
S4	180646	(SALES OR PURCHASES)
S5	1075	(BUYING OR CONSUMER?) (3N) (PREFERENC? OR HABITS)
S6	107075	INTERNET OR NETWORK? OR WIRELESS OR SATELLITE?
S7	5601	TRANSMIT?
S8	6368	(LEAST? OR LESS?) (3N) (COST?)
S9	7479	COST() EFFECTIV?
S10	13	(S1 OR S2)(S)S3
S11	3	S10/2000:2003
S12	10	S10 NOT S11
S13	0	S12 AND (S4 OR S5) AND (S8 OR S9) AND S6
S14	115868	S12 AND (S4 OR S5) OR (S8 OR S9) OR S6
S15	8	S12 AND (S4 OR S5 OR S8 OR S9 OR S6)
	?	

15/3,K/1 (Item 1 from file: 268)
DIALOG(R)File 268:Banking Info Source
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00358275 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Speeches and congressional testimony

Anonymous

Quarterly Journal, v17, n4, p43-116, Dec 1998 DOCUMENT TYPE: Journal
Article ARTICLE TYPE: News LANGUAGE: English RECORD TYPE: Abstract
Fulltext
WORD COUNT: 52391

(USE FORMAT 7 OR 9 FOR FULLTEXT)
... s activities and the bank's overall safety and soundness. Sec. 202. Loans On or **Purchases** by Bank of Its Own Stock Summary: Section 5201 of the Revised Statutes (12 USC...) suggestions included providing training (including the use of technologies like teleconferencing, training videos, and the **Internet**) to examiners about new regulations and the supervision of new lines of business. In addition...

...rating on promoting competition from external respondents and a 3.3 from internal respondents. The **Internet** survey respondents, the Cleveland lawyers, and the Central District staff gave the program the highest...fact that the OCC's regulations are now available on our Web site on the **Internet**. Many participants indicated that uniform interagency guidance is very useful. The interagency guidance helps eliminate...

...the format we currently use. Several participants recommended putting all regulations and interpretations on the **Internet**. Community group representatives stressed that they cannot evaluate how the OCC regulates without access to...

...be very helpful. Participants in the OCC staff groups were optimistic that the OCC's **Internet** would be helpful in giving them better access not only to regulations but also to...

...problems with access even with increased use of electronic communication because they may not have **Internet** access at the banks they examine. Participants in some groups also talked about the effectiveness...We received only 14 responses to the survey-1 from outreach meetings, three over the **Internet**. Of these, 10 respondents (all bankers) indicated that they were willing to be contacted by...

...focus group results, but we note as a separate matter that the sparseness of the **Internet** responses suggests that, in order to get maximum benefit from its Web site, the OCC may need to emphasize the availability of the **Internet** as a means of communicating with us and find ways to encourage bankers and others...proceedings. This demand for account information, combined with the availability of free advertising on the **Internet**, has led to a dramatic increase in the number of account information brokers. These brokers...industries to adopt meaningful self-regulatory measures in the privacy area, particularly with respect to **Internet** data collection. Where privacy protections have been enacted, they have been on a sectoral basis...several reasons. First, e-money issuers may not be considered "consumer reporting agencies." Second, the **data** **collected**-information on the consumer's spending patterns-may not fall within the definition of aIndustry Responses Information on **consumers** and their **preferences** has important economic value to businesses and consumers. It can help businesses better allocate their...

...evolve. For example, many products can be purchased on an anonymous basis, such as through **vending** **machines**. Similarly, the development of more anonymous e-money products is, itself, one market response that...

...is consumer demand for the products and law enforcement concerns can be accommodated. For example, **consumer** **preferences** might emerge for anonymous small dollar payments, which would not infringe on the important interests...

...to which new products will incorporate privacy protections will be influenced by several factors, including **consumer** **preferences**, law enforcement needs, and industry perceptions of the value of information. Consumers with a high...

...has yet to emerge. Consumers that are not particularly concerned about the confidentiality of their **purchases** may not demand privacy protections or information about disclosure policies, as is currently the case...business. Thus, we expect banks to test external telecommunication systems; interfaces with credit bureaus, the **Internet**, clearing houses, and business partners; and environmental systems such as vaults, heating/cooling systems, and...that their telecommunications providers appear to be making adequate progress towards remediating and testing telecommunications **networks**. Bankers are telling the OCC that less information has been forthcoming from power companies, however...in the borrower's principal market had increased dramatically, causing deterioration in the borrower's **sales** and profits. In the face of this change, not only had the bank increased its...financial products and services have been transformed into mere commodities available through far-flung electronic **networks** in an impersonal marketplace driven simply by price. Products once the bread and butter of...the study period. To varying degrees, the others had "reloaded" their credit cards with new **purchases**, leaving them worse off than before in terms of their total debt burden. Worse still...provides more detailed examination procedures.

(Chart Omitted)

Captioned as: Figure 3 Figure 4

Guidance on **sales** practices. In addition to focusing on safety and soundness concerns, BC 277 also emphasized the...

...processes to comply with our supervisory policy requirements, OCC staff performed a review of the **sales** practices at the most active national bank derivative dealers in June 1995. During this review...

...and often their practices went beyond our supervisory requirements. As part of the review of **sales** practices, we also developed a list for public distribution of the best practices employed by...of Pamela J. Johnson, Counselor to the Director, Department of the Treasury, Financial Crimes Enforcement **Network** (FinCEN), Task Force Public Meeting (July 17, 1997), Panel on Privacy Issues and Toren, Statement...

15/3,K/2 (Item 1 from file: 267)
DIALOG(R) File 267:Finance & Banking Newsletters
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04541688

Mondex Targets Loyalty Programs With Smart Cards
CARD NEWS
November 9, 1998 VOL: 13 ISSUE: 21 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 1411 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...Interactive Loyalty programs is available for \$40,000.

The software comes with a Business Partner **Network** that advises issuers and merchants on the design of the loyalty program, terminals, hosts database system sand customization of cards, as well as the analytical techniques to best use the **data** that may be **collected**.

Interactive Loyalty addresses what Mondex sees as the problems with loyalty programs, including that they...

...organizers to provide opportunities for customers to earn rewards in new venues, such as the **Internet** and **vending** **machines**.

Profit Stream Flows From Cost Savings

The profit stream from using a smart card comes...says Cox.

With a smart card, loyal fliers may also redeem their points on the **Internet**. If the airline has partners such as hotels and car rental companies, the loyal flier...

15/3,K/3 (Item 2 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
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00031919

English Testing Smart Cards
CARD NEWS

September 15, 1997 VOL: 12 ISSUE: 18 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 1314 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...a county in the north of England. Users can use the smart phone cards in **vending** **machines** to pay for parking-lot pay-and-display tickets.

Visa Introduces Competition

Mondex would seem...insertible machine-read magnetic stripe card. Customers on the capital's 6,000-strong bus **network** use cash or show the stripe card to the driver.

London Transport's (LT) Prestige...

...market," says Nic Hopkins, technical director of the Central Computer and Telecommunications Agency.

"We carefully **monitor** foreign government **usage** of smart cards, for example, speeding passport checking as in the United States-Canada passport..."

15/3,K/4 (Item 3 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
(c) 2003 The Dialog Corp. All rts. reserv.

00031901

English Testing Smart Cards

RETAIL DELIVERY SYSTEMS NEWS

September 12, 1997 VOL: 2 ISSUE: 18 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH WORD COUNT: 1314

RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...a county in the north of England. Users can use the smart phone cards in **vending** **machines** to pay for parking-lot pay-and-display tickets.

Visa Introduces Competition

Mondex would seem...insertible machine-read magnetic stripe card. Customers on the capital's 6,000-strong bus **network** use cash or show the stripe card to the driver.

London Transport's (LT) Prestige...

...market," says Nic

Hopkins, technical director of the Central Computer and Telecommunications Agency.

"We carefully **monitor** foreign government **usage** of smart cards, for example, speeding passport checking as in the United States-Canada passport..."

15/3,K/5 (Item 4 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
(c) 2003 The Dialog Corp. All rts. reserv.

00031884

English Testing Smart Cards

EFT REPORT

September 10, 1997 VOL: 20 ISSUE: 10 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH WORD COUNT: 1314

RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...a county in the north of England. Users can use the smart phone cards in **vending** **machines** to pay for parking-lot pay-and-display tickets.

Visa Introduces Competition

Mondex would seem...insertible machine-read magnetic stripe card. Customers on the capital's 6,000-strong bus **network** use cash or show the stripe card to the driver.

London Transport's (LT) Prestige...

...market," says Nic

Hopkins, technical director of the Central Computer and Telecommunications Agency.

"We carefully **monitor** foreign government **usage** of smart cards, for example, speeding passport checking as in the United States-Canada passport..."

15/3,K/6 (Item 5 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
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00000738

STORED-VALUE CARDS EARN MIXED CONSUMER REVIEWS
CORPORATE EFT REPORT
May 1, 1996 VOL: 16 ISSUE: 8 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 1006 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...consumers to perform transactions off-line.
Consumers can use the cards at terminals to make **purchases** or check
their card balances, Buckley explained.

They are designed to compliment existing payment methods...

...cards, don't require a banking relationship with an
issuer and can be used in **vending** **machines**, gas station pumps and
laundromats. Attendees at the Olympic games in Atlanta this summer
will...

...and store it in batches
for up to 28 days. Merchants call their various terminals, **collect**
the batches of **data** and transmit it to a system operator for
settlement. Issuers and acquirers ...The cards, which are targeted to
cash-only merchants, telephone
companies, mass transit operators and **vending** **machine** distributors,
don't require personal identification numbers (PINs), signatures or
on-line authorization, she said...

15/3,K/7 (Item 6 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
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00000734

STORED-VALUE CARDS FIND MIXED CONSUMER RESPONSE
BANK AUTOMATION NEWS
May 1, 1996 VOL: 8 ISSUE: 8 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 1037 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...consumers to perform transactions off-line.
Consumers can use the cards at terminals to make **purchases** or check
their card balances, Buckley explained.

Terminals encrypt the transaction data and store it in batches
for up to 28 days. Merchants call their various terminals, **collect**
the batches of **data** and transmit it to a system operator for
settlement. Issuers and acquirers get a settlement...

...The cards, which are targeted to cash-only merchants, telephone
companies, mass transit operators and **vending** **machine** distributors,
don't require personal identification numbers (PINs), signatures or
on-line authorization, Buckley said...

...looking for more convenient ways to pay for telephone calls, mass transit tickets and university **purchases**.

Buckley noted that stored-value cards are designed to compliment existing payment methods, such as...cards, don't require a banking relationship with an issuer and can be used in **vending** **machines**, gas station pumps and laundromats. Attendees at the Olympic games in Atlanta this summer will...

15/3, K/8 (Item 7 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
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00000051
Schlumberger offers product to create smart card programs
EFT REPORT
January 17, 1996 VOL: 19 ISSUE: 2 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 569 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...can interface card readers with most point-of-sale (POS) terminals or card readers for **vending**, photocopying and laundry **machines**.

A personal computer (PC) system manages the card's functions by **collecting** **data** from the various transaction points and inputting the data into settlement software. Transaction **data** can be **collected** on-line by modem or by a representative using a notebook computer.

SingleCard will interface...
...sale (POS) and debit transactions continue to grow in volume. The Reston, Va.-based MOST **Network** recorded its largest debit year in 1995 and the Dearborn, Mich.-based MagicLine EFT **Network** said December 1995 was its largest debit-month ever. The editors of EFT REPORT want...
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File 626:Bond Buyer Full Text 1981-2003/Dec 31
 (c) 2003 Bond Buyer
File 267:Finance & Banking Newsletters 2003/Dec 22
 (c) 2003 The Dialog Corp.
? ds

Set	Items	Description
S1	613	VENDING(3N) MACHINE?
S2	1827	(CASH OR COIN? OR MONEY OR BILL OR BILLS) (3N) (MACHINE OR D- ISPENSER?)
S3	9364	(AGGREGAT? OR COLLECT? OR ANALY? OR MONITOR?) (3N) (DATA OR - STATISTICS OR USAGE)
S4	180646	(SALES OR PURCHASES)
S5	1075	(BUYING OR CONSUMER?) (3N) (PREFERENC? OR HABITS)
S6	107075	INTERNET OR NETWORK? OR WIRELESS OR SATELLITE?
S7	5601	TRANSMIT?
S8	6368	(LEAST? OR LESS?) (3N) (COST?)
S9	7479	COST() EFFECTIV?
S10	13	(S1 OR S2)(S)S3
S11	3	S10/2000:2003
S12	10	S10 NOT S11
S13	0	S12 AND (S4 OR S5) AND (S8 OR S9) AND S6
S14	115868	S12 AND (S4 OR S5) OR (S8 OR S9) OR S6
S15	8	S12 AND (S4 OR S5 OR S8 OR S9 OR S6)
	?	

show files
File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)
 (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200382
 (c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.
File 344:Chinese Patents Abs Aug 1985-2003/Nov
 (c) 2003 European Patent Office
? ds

Set	Items	Description
S1	35026	VENDING(3N)MACHINE?
S2	10997	(CASH OR COIN? OR MONEY OR BILL OR BILLS) (3N) (MACHINE OR D- ISPENSER?)
S3	68039	(AGGREGAT? OR COLLECT? OR ANALY? OR MONITOR?) (3N) (DATA OR - STATISTICS OR USAGE)
S4	25679	(SALES OR PURCHASES)
S5	189	(BUYING OR CONSUMER?) (3N) (PREFERENC? OR HABITS)
S6	474451	INTERNET OR NETWORK? OR WIRELESS OR SATELLITE?
S7	943886	TRANSMIT?
S8	14503	(LEAST? OR LESS?) (3N) (COST?)
S9	38647	COST()EFFECTIV?
S10	1	AU='STALLMANN M'
S11	28	(S1 OR S2) AND S3 AND (S4 OR S5) AND S6
S12	16	S11 NOT AD=>19991028
	?	

10/7/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014096556 **Image available**

WPI Acc No: 2001-580770/200165

Data aggregating and analyzing system has computer that receives and cumulatively stores data transmitted corresponding to preset time period and it has software program to analyze aggregated data

Patent Assignee: MOTIENT COMMUNICATIONS INC (MOTI-N)

Inventor: *STALLMANN M*

Inventor

Number of Countries: 091 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200131553	A1	20010503	WO 2000US29529	A	20001027	200165 B
AU 200112342	A	20010508	AU 200112342	A	20001027	200165
KR 2002063566	A	20020803	KR 2002705431	A	20020427	200308

Priority Applications (No Type Date): US 99161907 P 19991028

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200131553	A1	E	47	G06F-153/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200112342	A	G06F-153/00	Based on patent WO 200131553
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KR 2002063566	A	G06F-019/00	
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Abstract (Basic): WO 200131553 A1

NOVELTY - The system has several data generating machines transmitting data pertaining to monitored sales event through satellite, Internet, terrestrial and land line network. A computer connected to several data generating machines, receives and cumulatively stores the data transmitted corresponding to preset time period, and it has application software program to analyze the aggregated data.

DETAILED DESCRIPTION - Monitored sales event corresponds to different products from sales, distribution or manufacturing sources effectuated or managed by each data generating machine. INDEPENDENT CLAIMS are also included for the following:

- (a) Method of collecting and aggregating data;
- (b) Computer readable medium

USE - For aggregating and analyzing data from data generating or collecting machines such as vending machine e.g. cigarette, postcard vending machine.

ADVANTAGE - The system provides central repository from each of several vending machines. The system enables the aggregated data in such a way as to enable data mining to determine en masse consumer purchasing habits and buying, brand preferences. The system allows a third party to access through the Internet or other network the aggregated data to perform statistical analysis. The system provides improved brand tracking and increased sales due to improved demand analysis.

DESCRIPTION OF DRAWING(S) - The figure shows the schematically simplified representation of MotientSM terrestrial communication network.

pp; 47 DwgNo 7/11

Derwent Class: T01; T05; W01; W02

International Patent Class (Main): G06F-019/00; G06F-153/00
?

12/7/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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07524255 **Image available**

PHS ACCESS DEVICE FOR *VENDING* *MACHINE*

PUB. NO.: 2003-018086 [JP 2003018086 A]

PUBLISHED: January 17, 2003 (20030117)

INVENTOR(s): IMAI TAKESHI
TANAKA YOSHIAKI
MURAKAMI KAZUYA
NAGASE HIROYUKI

APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD

APPL. NO.: 2002-109284 [JP 20022109284]

Division of 09-309551 [JP 97309551]

FILED: October 24, 1997 (19971024)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a PHS access device for an *vending* *machine* modem, regarding itself as an adaptor for PIAFS(PHS *Internet* Access Forum Standard) communication and uses voice communication and a transfer function, so as to efficiently *collect* *sales* *data*.

SOLUTION: The PHS access device for the *vending* *machine* is provided with a modem for regarding itself to be an adaptor for PIAFS communication. A plurality of automatic *vending* *machines* are grouped, a master machine *collects* *sales* *data* from slave machines and the master machine *collects* the *sales* *data* according to a request from a center device and transmits the *sales* data to the center device. The center device selects voice communication or a transceiver function regarded as the PIAFS communication depending on the center device. The master machine stores latest *sales* data from the slave machines. The master machine receiving control data from the center device transmits the data to the slave machines, only when the data are changed. Through such a configuration, the PHS access device for the automatic *vending* *machine* can be realized, which is compatible with any center device, with high reliability and high efficiency.

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12/7/2 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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06809484 **Image available**

RADIO *NETWORK*

PUB. NO.: 2001-036970 [JP 2001036970 A]

PUBLISHED: February 09, 2001 (20010209)

INVENTOR(s): MARUYAMA TOSHIHIRO
ANDO NOBUHIKO
SAITO YOSHIYUKI
SHIMIZU YASUO

APPLICANT(s): FUJI ELECTRIC CO LTD

APPL. NO.: 11-209416 [JP 99209416]

FILED: July 23, 1999 (19990723)

ABSTRACT

PROBLEM TO BE SOLVED: To attain the collection, *monitoring* and control of

data without providing a dedicated line by sharing the data of different applications utilized on a *network*, where plural radio equipments are installed within a communicable range, inside the *network*.

SOLUTION: The radio *network* is formed for exchanging the data of various applications. These data show the *sales* information of automatic *vending* *machines* 1a-1c, the measured value data of power and the measured value data of copy machines 3a and 3b or the like. The automatic *vending* *machines* 1a-1c, power measuring sensors 2a-2f, the copy machines 3a-3b, repeaters 4a-4e, a host computer 5a for automatic *vending* *machine* POS, a host computer 5b for power measuring sensor *data* *collection* and a host computer 5c for copy machine management are respectively provided with PIO stations. The station is provided with a repeating function and can transmit the acquired data to the other PIO station.

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12/7/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06667344 **Image available**
AUTOMATIC *VENDING* *MACHINE* *DATA* *COLLECTION* METHOD

PUB. NO.: 2000-253168 [JP 2000253168 A]
PUBLISHED: September 14, 2000 (20000914)
INVENTOR(s): TANAKA YOSHIAKI
 IMAI TAKESHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 11-055375 [JP 9955375]
FILED: March 03, 1999 (19990303)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for *collecting* the *data* of *vending* *machines* for efficiently *collecting* the *sales* *data* of *vending* *machines*, without imposing excessive management load on a center device, in a system in which *vending* *machines* are grouped.

SOLUTION: In a method for *collecting* *data* of grouped *vending* *machines* via a public telephone *network* by a center device, a table (a) in which *vending* *machines* are made correspond to telephone numbers for obtaining the data of the *vending* *machines* is held in the center device, and the table is sorted by using the telephone numbers as keys (b), and then the telephone numbers are successively called, and the data of each *vending* *machine* corresponding to the same telephone number as the called telephone number are collected with one time of calling. Thus, speech cost and speech time required for *collecting* *data* can be reduced.

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12/7/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06243548 **Image available**
AUTOMATIC *VENDING* *MACHINE* AND AUTOMATIC *VENDING* METHOD IN AUTOMATIC *VENDING* *MACHINE* MANAGING SYSTEM

PUB. NO.: 11-185122 [JP 11185122 A]
PUBLISHED: July 09, 1999 (19990709)
INVENTOR(s): YAMAZAKI YASUHIRO
APPLICANT(s): SANYO ELECTRIC CO LTD
APPL. NO.: 09-364348 [JP 97364348]
FILED: December 19, 1997 (19971219)

ABSTRACT

PROBLEM TO BE SOLVED: To open a communication facility to the outside and to easily collect an investment with an income by providing an automatic *vending* *machine* data transmission/reception function transmitting data on product *sales* and receiving operation command data of an automatic *vending* *machine* and an electronic mail data transmission function transmitting data which includes data whose transmission is desired by a customer.

SOLUTION: The automatic *vending* *machine* 1 is connected to a *data* *collection* device 2 through a self-communication line 6 and the *data* *collection* device 2 is connected to a provider 3. The provider 3 is connected to *internet*. They are connected by a commercial communication line 5. *Sales* data of the automatic *vending* *machine* 1 is connected to the personal computer of an office, etc., which is connected to the commercial communication line 5. Information of electronic mail transmission service is sent to a provider 3 which is indirectly or directly connected to the commercial communication line 5 through the *data* *collection* device 2 and it is sent to the main boxes of respective personal computer users via *internet*.

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12/7/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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06089743 **Image available**
CONTROLLER FOR AUTOMATIC *VENDING* *MACHINE*

PUB. NO.: 11-031259 [JP 11031259 A]
PUBLISHED: February 02, 1999 (19990202)
INVENTOR(s): MIYATA YASUHIKO
OTANI MASAYUKI
EBUKURO SEIJI
YAMAZAKI YASUHIRO
MARUYAMA TOSHIKAKE
APPLICANT(s): SANYO ELECTRIC CO LTD
APPL. NO.: 09-200878 [JP 97200878]
FILED: July 10, 1997 (19970710)

ABSTRACT

PROBLEM TO BE SOLVED: To attain the setting of control *data* or the *data* *collection* of *sales* or maintenance information by using a general outside terminal such as a portable personal computer and general software.

SOLUTION: At the time of setting the control data of an automatic *vending* *machine* 1, control data setting screen display data and the control data held in a ROM 4 and a RAM 5 in a main box 2 are converted into a data format generalized by an *internet* such as an HTML(hyper text markup language), and transmitted through an optical communication unit 6 to an outside terminal 10 on which a browser for the *internet* is loaded. The

outside terminal 10 displays the data, operates the setting and change of the data, and transmits the data to the automatic *vending* *machine* 1. The main box 2 receives the data, operates data conversion, and writes the data in the RAM 5. Also, at the time of operating *data* *collection*, the *sales* information or maintenance information of the automatic *vending* *machine* held in the RAM 5 is converted into the format such as the HTML, and transmitted to the outside terminal 10, and displayed.

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12/7/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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05513815 **Image available**
AUTOMATIC VIDEO DISK *VENDING* *MACHINE*

PUB. NO.: 09-128615 [JP 9128615 A]
PUBLISHED: May 16, 1997 (19970516)
INVENTOR(s): HANBA NAOHIKO
 MURATA NORITAKA
 FUSE TOMOHITO
APPLICANT(s): TEC CORP [000356] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 07-288517 [JP 95288517]
FILED: November 07, 1995 (19951107)

ABSTRACT

PROBLEM TO BE SOLVED: To feed-back the concern degree and interest, etc., of a customer to the *sales* plan, production and manufacture of a *sales* merchandise as reference *data* by *collecting* them as numerical *data*.

SOLUTION: This automatic video disk *vending* *machine* is provided with a function projecting the content inquiry of various kinds of DVD (digital video disk) and a promotion video. A transaction file 85 is provided with a transaction kind and a result code. Data indicating trial projection by transaction kind is set when the customer executes trial projection, data indicating content inquiry by transaction kind is set when the customer inquires about contents without trial projection, data indicating a chance loss is set in the result code when a commodity is sold-out at the time of no purchase. Then, a transaction total file stores *sales* number totaling data, *sales* money amount totaling data, content inquiry time totaling data, number of trial projections totaling data and a chance loss time totaling data and an output is executed to a device with a host function with LAN (local area *network*).

12/7/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05206109 **Image available**
INFORMATION COLLECTION SYSTEM FOR AUTOMATIC *VENDING* *MACHINE*

PUB. NO.: 08-161609 [JP 8161609 A]
PUBLISHED: June 21, 1996 (19960621)
INVENTOR(s): YAMAZAKI YASUHIRO
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 06-321768 [JP 94321768]

FILED: November 30, 1994 (19941130)

ABSTRACT

PURPOSE: To facilitate the setting job of a *data* *collection* timing and to make the *data* *collection* efficient by selecting a radio equipment among radio equipments of plural automatic *vending* *machines* installed to each *sales* area to be a master equipment and selecting radio equipments of the other automatic *vending* *machines* to be a slave equipments so as to set a master-slave relationship.

CONSTITUTION: A radio equipment 2A in radio equipments 2A-2C of automatic *vending* *machines* 1A-1C is selected to be a master equipment and a master-slave relationship is set by selecting the other radio equipments 2B, 2C as slave sets. On the other hand, the radio equipment 2A being the master equipment is selected to be a slave equipment with respect to a radio equipment 2 of a base station of a *data* *collection* center to set a master-slave relationship thereby building up the radio *network*. While the system allows the master equipment 2A to *collect* *data* information of the slave equipments 2B, 2C through mutual radio communication, the master equipment 2A at each *sales* area sets automatically a polling time interval of itself for *data*, *collection* of each slave set based on number of connected slave equipments 2B, 2C, then the *data* *collection* timing is set automatically.

12/7/8 (Item 8 from file: 347)

DIALOG(R) File 347:JAPIO

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05206107 **Image available**

METHOD FOR SETTING RADIO *NETWORK* IN INFORMATION COLLECTION SYSTEM FOR AUTOMATIC *VENDING* *MACHINE*

PUB. NO.: 08-161607 [JP 8161607 A]

PUBLISHED: June 21, 1996 (19960621)

INVENTOR(s): YAMAZAKI YASUHIRO
IRIYAMA MASARU

APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 06-321766 [JP 94321766]

FILED: November 30, 1994 (19941130)

ABSTRACT

PURPOSE: To facilitate the generating job of data to be set to a radio equipment by visually displaying data of a transmission path set to the radio equipment through the use of a personal computer when the radio equipment *collects* *data* information of plural automatic *vending* *machines* installed respectively to each *sales* area.

CONSTITUTION: A picture of a radio equipment 2 of a base station of a *data* *collection* center and pictures of a repeater 2F and radio equipments 2A-2E of automatic *vending* *machines* 1A-1E whose number corresponds to number to be installed at each *sales* area or each *sales* location are displayed graphically on a screen of a screen display section 11 of a graphic display device 10 of a personal computer. Furthermore, the master-slave relationship of the radio equipments 2A-2C and 2D and 2E of the automatic *vending* *machines* 1A-1C, and 1D, 1E at, each *sales* area or each *sales* location with respect to the repeater 2F and a radio transmission path of the radio equipment 2A of the master *machine* of the automatic *vending* *machines* at each *sales* area or each *sales* location and the repeater 2F and the radio equipment 2 of a base station of

a *data* *collection* center are displayed visually and the *network* paths are set automatically.

12/7/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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04889968 **Image available**

MERCHANDISE *SALES* REGISTERATION DATA PROCESSOR

PUB. NO.: 07-182568 [JP 7182568 A]

PUBLISHED: July 21, 1995 (19950721)

INVENTOR(s): TAKEUCHI MASANORI

APPLICANT(s): TEC CORP [000356] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 05-326705 [JP 93326705]

FILED: December 24, 1993 (19931224)

ABSTRACT

PURPOSE: To improve efficiency by reducing the operating burden of a store clerk by providing a *data* *collecting* means *collecting* *sales* *data* from a merchandise *vending* *machine* via a data *network* for each data processing terminal.

CONSTITUTION: The interfaces 8 and 9 of merchandise *vending* *machines* 3 and 4 are respectively connected to the interfaces 13 and 14 of plural RS232Cs of a *network* station 12 by connection connectors 10 and 11. Then, when the *network* station 12 is connected to a single dedicated interface 15 and LAN 6, the merchandise *vending* *machines* 3 and 4 are connected to this LAN 6 in common. The data processing terminals 1 and 2 absorb by the *data* *collecting* means *data* stored by the merchandise *vending* *machine* 3 and 4 by characteristic operation which is independent from the data processing terminals 1 and 2 via the data *network* 6 so as to process adjustment like this. Thereby, the data processing terminals 1 and 2 can adjust-process *sales* data of the merchandise *vending* *machines* 3 and 4 without the necessity of operation of the store clerk.

12/7/10 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013254950 **Image available**

WPI Acc No: 2000-426833/200037

Automatic *vending* *machine* transmits data of predetermined format generated by data processor to remote terminals via *network* interface

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000149104	A	20000530	JP 98321196	A	19981112	200037 B

Priority Applications (No Type Date): JP 98321196 A 19981112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000149104	A	15		G07F-009/00	

Abstract (Basic): JP 2000149104 A

NOVELTY - A *data* *collection* unit *collects* predetermined *data* and stores it in memory. A data processor obtains data stored in

the memory and generates data of predetermined format. The data of predetermined format generated by data processor is transmitted to the remote terminals (T₁, T₂, ..., T_m) via *network* interface.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the system with information collection function.

USE - Automatic *vending* *machine*.

ADVANTAGE - An exclusive software or general-purpose software is used in obtaining the *sales* information through *network*. Also e-mail of the *sales* information is done if a *network* access is not available.

DESCRIPTION OF DRAWING(S) - The figure shows the components of automatic *vending* *machine*.

Remote terminals (T₁, T₂, ..., T_m)

pp; 15 DwgNo 1/14

Derwent Class: T05

International Patent Class (Main): G07F-009/00

International Patent Class (Additional): G07F-005/22

12/7/11 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012526165 **Image available**

WPI Acc No: 1999-332271/199928

Operation management system for beverage automatic *vending* *machine* - processes output of sensor units in control unit and transmits to *data* *collection* management center via repeater using *wireless* communication

Patent Assignee: IDO T (IDOT-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11120426	A	19990430	JP 97303793	A	19971017	199928 B

Priority Applications (No Type Date): JP 97303793 A 19971017

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11120426	A	4	G07F-009/00	

Abstract (Basic): JP 11120426 A

NOVELTY - Theft sensor, failure sensor, change sensor, inventory sensor and number of container estimation sensor for performing respective detection operations are provided in an automatic *vending* *machine*. The output of sensor units are processed in a control unit and transmitted to a *data* *collection* management center (3) via repeater (8) using *wireless* communication.

USE - For beverage automatic *vending* *machine* e.g. for tobacco, sake.

ADVANTAGE - Since the modality of goods loaded into recursive route can be estimated easily, quick correspondence is achieved. Even if each selling company does not buildup separate point of *sales* system, management operation can be performed efficiently. DESCRIPTION OF DRAWING(S) - The figure shows the conceptual view of operation arrangement system. (3) *Data* *collection* management center; (8) Repeater.

Dwg.1/2

Derwent Class: T01; T05

International Patent Class (Main): G07F-009/00

International Patent Class (Additional): G06F-017/40; G06F-017/60; G07F-005/18; G07F-005/22

12/7/12 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012244811 **Image available**

WPI Acc No: 1999-050918/199905

Sales data communication system for automatic *vending* *machine* - has relay route determining unit, that distinguishingly communication route between *wireless* units and base station, based on comparison between current communication success rate and predefined rate

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10302128	A	19981113	JP 97122886	A	19970428	199905 B

Priority Applications (No Type Date): JP 97122886 A 19970428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10302128	A	9		G07F-009/00	

Abstract (Basic): JP 10302128 A

The system includes several *wireless* units (3) provided in multiple *vending* *machines*, to *collect* *sales* *data* of each *vending* *machine*. The *wireless* units which are interconnected, performs data transmission and reception through a communication circuit, to a base station (2) comprising a host.

The success rate of communication ability between the base stations and *wireless* units is measured by a measurement unit. The measured rate is compared with a predetermined value by a judgment unit. Based on the comparison result, a relay route determining unit determines the communication route in between the *wireless* units and base station.

ADVANTAGE - Performs prompt rectification of communication failure due to errors in communication route.

Dwg.2/5

Derwent Class: T05

International Patent Class (Main): G07F-009/00

12/7/13 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012112555 **Image available**

WPI Acc No: 1998-529467/199845

Wireless LAN utilisation for remote communication to *vending* *machine* - using one machine as 'call in machine' with *wireless* LAN and modem, enabling LAN communication between machines and reporting via telephone line to maintenance centre.

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 413131	A	19980910	RD 98413131	A	19980820	199845 B

Priority Applications (No Type Date): RD 98413131 A 19980820

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): RD 413131 A

The method involves using the *wireless* LAN to allow communication between *vending* *machines* in one location, in which one machine is designated at the 'call in machine'. This machine has a *wireless* LAN at its input, and a modem at its output, which is connected to a telephone line.

This machine acts as a proxy for the other machines in the *network*, for their communication with the maintenance centre. By using the *wireless* technology between machines, and the proxy function in one machine, only one modem and one telephone line are required.

ADVANTAGE - Low component cost using standard *wireless* LAN technology equipment. Allows amortisation of modem and telephone line costs across all *vending* *machines*. Provides real time communication with maintenance centre, for fault reporting. Allows *collecting* of *sales* *data* and current stock levels for each machine, enabling optimisation of content selection and delivery planning. Enables determination of optimal restocking algorithm.

Dwg.1/1

Derwent Class: T05; W05; X27

International Patent Class (Main): H04L-000/00

International Patent Class (Additional): G07F-000/00

12/7/14 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010604870 **Image available**

WPI Acc No: 1996-101823/199611

Information collection system for *vending* *machine* - has polling interval setting unit which expands polling interval below set value

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8007177	A	19960112	JP 94141333	A	19940623	199611 B
JP 3196507	B2	20010806	JP 94141333	A	19940623	200147

Priority Applications (No Type Date): JP 94141333 A 19940623

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 8007177	A	5		G07G-001/14	
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JP 3196507	B2	5		G07G-001/14	Previous Publ. patent JP 8007177
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Abstract (Basic): JP 8007177 A

The system consists of a data processor provided with a CPU (1) which receives data from detectors installed in a main body (8), through small electric power *wireless* transmitters. A quantity calculation device (2) calculates the number of *sales* per unit time from the data and an hour meter.

A data demand device is provided to demand data from a lower order bureau *vending* *machine*. A data reception unit receives the data and a storage device stores the received data. When the received data exceeds a set value, the processor performs a polling cycle. A polling interval setting unit expands the polling interval below the set value.

ADVANTAGE - Improves *data* *collection* efficiency. Provides easy and early recognition of location of *vending* *machine*. Improves data transmission and market investigation efficiency. Performs *sales*

control promptly.

Dwg.2/3

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/14

International Patent Class (Additional): G07F-009/00

12/7/15 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010491810 **Image available**

WPI Acc No: 1995-393211/199550

Video jukebox *vending* *machine* that also dispenses products - connects to analog telephone lines to allow communication with consumer via audio, video or data allowing customer to request item

Patent Assignee: ALEXANDER J (ALEX-I); BAKER P (BAKE-I); MUSIC VENDING INC (MUSI-N); PERINE M (PERI-I); PETERS S A (PETE-I); TOMSICH J (TOMS-I)

Inventor: ALEXANDER J; BAKER P; LEGAN R; PERINE M; PETERS S A; TOMSICH J

Number of Countries: 058 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9530212	A1	19951109	WO 95US5464	A	19950428	199550 B
AU 9524660	A	19951129	AU 9524660	A	19950428	199609
GB 2303238	A	19970212	WO 95US5464	A	19950428	199710
			GB 9622226	A	19961024	
BR 9507545	A	19970805	BR 957545	A	19950428	199738
			WO 95US5464	A	19950428	
GB 2303238	B	19980218	WO 95US5464	A	19950428	199810
			GB 9622226	A	19961024	

Priority Applications (No Type Date): US 94234143 A 19940428

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9530212 A1 E 71 G07F-011/00

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG

AU 9524660 A G07F-011/00 Based on patent WO 9530212

GB 2303238 A 1 G07F-011/00 Based on patent WO 9530212

BR 9507545 A G07F-011/00 Based on patent WO 9530212

GB 2303238 B G07F-011/00 Based on patent WO 9530212

Abstract (Basic): WO 9530212 A

The video jukebox provides a fully integrated musical vending capability with transaction monitoring and information dispensing can be fully interactive between the *vending* *machine* and the customer service location. The *vending* *machine* is connected to analog telephone lines to allow reception of digital video and/or audio data that can in turn be stored and used to record customer designated music selections on recordable compact discs or cassette tapes as well as prerecorded and prepackaged musical selections.

The *data* exchange is *monitored* by computer. The computer also monitors the mechanical control and product delivery functions of the *vending* *machine*. Control monitoring is accomplished locally at the *vending* *machine* and over the communication *network*. The *vending* *machine* also has self-diagnosis capabilities, a debit and credit card transaction feature and an automated product control and accounting capability.

USE/ADVANTAGE - Entertainment industry. Incorporates monitoring, audio and video communication, security, diagnostics, playback, inventory, *sales* and accounting feature, alarm, security and print facilities.

Dwg.1/12

Abstract (Equivalent): GB 2303238 B

The video jukebox provides a fully integrated musical vending capability with transaction monitoring and information dispensing can be fully interactive between the *vending* *machine* and the customer service location. The *vending* *machine* is connected to analog telephone lines to allow reception of digital video and/or audio data that can in turn be stored and used to record customer designated music selections on recordable compact discs or cassette tapes as well as prerecorded and prepackaged musical selections.

The *data* exchange is *monitored* by computer. The computer also monitors the mechanical control and product delivery functions of the *vending* *machine*. Control monitoring is accomplished locally at the *vending* *machine* and over the communication *network*. The *vending* *machine* also has self-diagnosis capabilities, a debit and credit card transaction feature and an automated product control and accounting capability.

USE/ADVANTAGE - Entertainment industry. Incorporates monitoring, audio and video communication, security, diagnostics, playback, inventory, *sales* and accounting feature, alarm, security and print facilities.

Dwg.0/0.

Derwent Class: T05; W01; W02; W04

International Patent Class (Main): G07F-011/00

12/7/16 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007762772

WPI Acc No: 1989-027884/198904

Decentralised automatic *vending* *machine* node *data* *collection* - signalling *sales* account data via telephone *network* to CPU according to input supervisory command pulse NoAbstract Dwg 1/3

Patent Assignee: FUJI ELECTRIC MFG CO LTD (FJIE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63301377	A	19881208	JP 87137893	A	19870601	198904 B

Priority Applications (No Type Date): JP 87137893 A 19870601

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 63301377	A	5
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Derwent Class: T01; T05; W01

International Patent Class (Additional): G06F-015/74; G07F-009/00; H04M-011/00

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show files
File 348:EUROPEAN PATENTS 1978-2003/Dec W02
      (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031225, UT=20031218
      (c) 2003 WIPO/Univentio
? ds
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Set	Items	Description
S1	3593	VENDING(3N)MACHINE?
S2	3094	(CASH OR COIN? OR MONEY OR BILL OR BILLS) (3N) (MACHINE OR D- ISPENSER?)
S3	80442	(AGGREGAT? OR COLLECT? OR ANALY? OR MONITOR?) (3N) (DATA OR - STATISTICS OR USAGE)
S4	22414	(SALES OR PURCHASES)
S5	1809	(BUYING OR CONSUMER?) (3N) (PREFERENC? OR HABITS)
S6	247134	INTERNET OR NETWORK? OR WIRELESS OR SATELLITE?
S7	362776	TRANSMIT?
S8	18934	(LEAST? OR LESS?) (3N) (COST?)
S9	37969	COST()EFFECTIV?
S10	2	AU='STALLMANN MARK'
S11	2	S10 AND S3
S12	20	(S1 OR S2) (S)S3(2S) (S4 OR S5) (S)S6
S13	7	S12 NOT AD=>19991028
	?	

t 13/3,ab/all

13/3,AB/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01170012

Control apparatus for vending machine
Steuereinrichtung fur einen Verkaufsautomaten
Dispositif de controle pour distributeur automatique

PATENT ASSIGNEE:

SANYO ELECTRIC CO. LTD, (238929), 2-5-5, Keihanhondori, Moriguchi-shi,
Osaka-fu, (JP), (Applicant designated States: all)

INVENTOR:

Miyata, Yasuhiko, 4-7' Mitugi Ooaza, Kounosu-shi, Saitama-ken, (JP)
Maruyama, Toshitake, 1225-18 Kuge, Kumagaya-shi, Saitama-ken, (JP)
Yamazaki, Yasuhiro, 3-24-7 Shironouchi, Ooizumi-machi, Oura-gun,
Gunma-ken, (JP)
Ebukuro, Seiji, 1168 Kitasinskyu, Fukiage-machi, Kitaadachi-gun,
Saitama-ken, (JP)
Ootani, Masayuki, 2-149 Sinskyu, Fukiage-machi, Kitaadachi-gun,
Saitama-ken, (JP)

LEGAL REPRESENTATIVE:

Goddar, Heinz J., Dr. et al (4231), FORRESTER & BOEHMERT
Franz-Joseph-Strasse 38, 80801 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1020822 A1 000719 (Basic)

APPLICATION (CC, No, Date): EP 99100567 990113;

DESIGNATED STATES: DE; ES; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07F-009/02; G07F-005/18

ABSTRACT EP 1020822 A1

A control apparatus for *vending* *machine* (1) is provided which facilitates resetting of control data with reduced costs by means of a commonly used remote terminal (10) and a public telecommunication *network*. The control data stored in a memory in the control unit (2) are converted to data information in a form, such as HTML, compatible with a public telecommunication *network* (e.g., *Internet*), transmitted through the line to a remote terminal (10) and renewed therein. The renewed data are transmitted again through a public telecommunication *network* in a form, such as HTTP, compatible with the telecommunication *network* toward the control unit (2), in which the data stored in the memory are renewed according to the renewed data transmitted from the remote terminal (10). A control apparatus for *vending* *machine* (1) is also provided which facilitates *collection* of *sales* *data* and maintenance data with reduced costs by means of a commonly used remote terminal (10) and a public telecommunication *network*. Data stored in a memory in the control unit are converted to data information in HTML form and transmitted through *Internet* to a remote terminal (10), whereby the received data are displayed in a display (12).

ABSTRACT WORD COUNT: 196

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200029	930
SPEC A	(English)	200029	2035
Total word count - document A			2965
Total word count - document B			0

Total word count - documents A + B 2965

13/3,AB/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00949450

APPARATUS AND METHODS FOR COLLECTING VALUE
VORRICHTUNG UND VERFAHREN ZUR WERTERFASSUNG
APPAREIL ET PROCEDE D'ENCAISSEMENT

PATENT ASSIGNEE:

M-Systems Flash Disk Pioneers Ltd., (2756912), 7 Atir Yeda Street, Kfar Saba 44425, (IL), (Proprietor designated states: all)

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HADAD, Isaac, Hashalom Street 105, 84434 Beer Sheva, (IL)
GRANOT, Ran, Hasharon Street 83, 81400 Yavneh, (IL)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 944879 A1 990929 (Basic)
EP 944879 B1 031217
WO 98018107 980430

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13/3,AB/3 (Item 1 from file: 349)
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00554418

METHOD AND APPARATUS FOR AUTHENTICATING VENDING MACHINE SALES DATA
PROCEDE ET APPAREIL D'AUTHENTIFICATION DE DONNEES RELATIVES AUX VENTES DE
DISTRIBUTEUR AUTOMATIQUE

Patent Applicant/Assignee:

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JORASCH James A,

Inventor(s):

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JORASCH James A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200017791 A1 20000330 (WO 0017791)

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Priority Application: US 98157150 19980918
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 7183

English Abstract

A method and apparatus is disclosed that documents the authentication of sales data generated at an automatic sales machine. In operation, the apparatus accumulates sales data. The apparatus also encodes the sales data, thereby deriving encoded sales data (618). The apparatus further outputs the encoded sales data to a user (622). A method and apparatus for authenticating the documented sales data is also disclosed.

French Abstract

L'invention concerne un appareil et un procede permettant le recensement des donnees relatives aux ventes generees au niveau d'un distributeur automatique. En fonctionnement, l'appareil cumule les donnees relatives aux ventes. Il code les donnees relatives aux ventes, derivant ainsi des donnees relatives aux ventes codees (618). L'appareil envoie egalement les donnees codees relatives aux ventes a un utilisateur (622). Un procede et un appareil pour authentifier les donnees relatives aux ventes recensees sont egalement decrits.

13/3,AB/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00543968

INTERNET CAMERA GATEWAY
PASSERELLE DE CAMERA INTERNET

Patent Applicant/Assignee:
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Inventor(s):

MORRIS Robert P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200007341 A1 20000210 (WO 0007341)
Application: WO 99US2122 19990129 (PCT/WO US9902122)
Priority Application: US 98127514 19980731

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 13152

English Abstract

A method for accessing a digital image capture unit via a communication network comprising a server computer system and a client computer system communicatively coupled with communication equipment. In one embodiment, the address of the digital image capture unit is registered in an executable program on the server computer system. The executable program is accessed by the client computer system. The executable program

connects the digital image capture unit and the server computer system. The executable program communicates commands between the client computer system and the digital image capture unit, such that data captured by the digital image capture unit is transferred to the client computer system via the server computer system.

French Abstract

L'invention concerne un procede permettant d'accéder à une unite de prise de vues numérique par l'intermédiaire d'un réseau de communication comprenant un système informatique serveur et un système informatique client reliés, de façon à pouvoir communiquer, au moyen d'un équipement de communication. Dans un mode de réalisation, l'adresse de l'unite de prise de vues numérique est enregistrée dans un programme exécutable, sur le système informatique serveur. Le système informatique client accède au programme exécutable. Le programme exécutable connecte l'unite de prise de vues numérique et le système informatique serveur. Le programme exécutable réalise la communication de commande entre le système informatique client et l'unite de prise de vues numérique, de telle sorte que des données capées par l'unite de prise de vues numérique sont transférées au système informatique client par l'intermédiaire du système informatique serveur.

13/3,AB/5 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00516956
METHOD AND APPARATUS FOR COMMUNICATING APPLICATION SPECIFIC DATA OVER WIRELESS COMMUNICATION NETWORKS
PROCEDE ET APPAREIL PERMETTANT DE COMMUNIQUER, VIA DES RESEAUX DE RADIOPHONIE, DES DONNEES SPECIFIQUES A DES APPLICATIONS
Patent Applicant/Assignee:
AERIS COMMUNICATIONS INC,
Inventor(s):
LADUE Christoph K,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9948308 A1 19990923
Application: WO 99US4638 19990302 (PCT/WO US9904638)
Priority Application: US 9844373 19980318
Designated States: AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 26883

English Abstract

Communicating messages between a cellular mobile radio communicator (100) and a central monitoring station (120) over a communication network that includes a voice channel and a control channel (372). The voice channel conveys data messages and the control channel conveys control messages that manage access to and use of the voice channel. The communicator obtains a message comprising application data, and encodes the message in a sequence of digits associated with a control message to create an encoded message. A remote feature control request is encoded in the sequence of digits associated with the control message to invoke the forwarding of the sequence of digits, including the encoded message, by a telecommunications switching center upon detecting the remote feature

control request. The control message and associated sequence of digits are transmitted from the communicator to a base station over the control channel, by passing the voice channel, and then transmitted from the base station to the telecommunications switching center via a satellite communication channel. The telecommunications switching center detects the remote feature control request and forwards the remote feature control request and the encoded message over a communications over a communications channel to the central monitoring station in response to detecting the remote feature control request. The encoded message is decoded at the central monitoring station to retrieve the application specific data.

French Abstract

L'invention concerne la communication de messages entre un dispositif (100) de radiocommunication mobile cellulaire et une station (120) de surveillance centrale via un reseau de communication comportant un canal vocal et un canal (372) de commande. Le canal vocal vehicule des messages de donnees et le canal de commande vehicule des messages de commande gerant l'accès au canal vocal ainsi que son utilisation. Le dispositif de radiocommunication prend en compte un message comprenant des donnees d'application, et code le message sous forme d'une sequence de chiffres associee a un message de commande pour creer un message code. Une demande de commande de dispositif a distance est codee sous forme de la sequence de chiffres associee au message de commande pour demander au central de telecommunications de transferer la sequence de chiffres, comprenant le message code, lorsque le central detecte la demande de commande de dispositif a distance. Le message de commande et la sequence de chiffres associee sont transmis du dispositif de communication a une station de base via le canal de commande, court-circuitant ainsi le canal vocal, puis ils sont transmis de la station de base au central de telecommunications via un canal de communication satellite. Le central de telecommunications detecte la demande de commande de dispositif a distance et transfert cette demande et le message code jusqu'a une station de surveillance centrale via un canal de communication en reponse a la detection de la demande de commande de dispositif a distance. Le message code est decode au niveau de la station de surveillance centrale afin de recuperer les donnees specifiques a une application.

13/3,AB/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00498908
VENDING MACHINE DISPLAYING THE ON-LINE INFORMATION AND THE DIGITAL VIDEO IMAGES
DISTRIBUTEUR AUTOMATIQUE AFFICHEUR D'INFORMATION EN LIGNE ET D'IMAGES VIDEO NUMERIQUES

Patent Applicant/Assignee:

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CHUNG Young Hun,

Inventor(s):

KIM Byung Hee,
CHUNG Young Hun,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9930260 A1 19990617
Application: WO 98KR2 19980109 (PCT/WO KR9800002)
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UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 3483

English Abstract

The present invention relates to a vending machine displaying the on-line information and the digital video images. This machine can receive various advertisement and information from the host network and display them on the attached monitor. The present invention includes: a vending machine part (200) includes a microprocessor (201) transmitting the product sales information signal to the communication interface (205), a communication interface (205) transmitting the product sales data to the communication interface (101) of the video processing part (100); a video processing part (100) loading the corresponding VGA and MPEC files to the product sales information saved in the external memory (107) after receiving the product sales information from the above vending machine part (200), and displaying those files using the multi-video device (108) after receiving the VGA and MPEC files from the computer network.

French Abstract

L'invention concerne un distributeur automatique afficheur d'information en ligne et d'images video numeriques. Ce distributeur peut recevoir diverses informations publicitaires et autres depuis un reseau hote et les afficher ensuite sur l'écran associe. Le distributeur automatique fonctionne comme suit : une partie distributeur (200) comportant un microprocesseur (201) fournit un signal d'information de vente de produit a l'interface de communication (205), laquelle transmet les donnees de vente de produit a l'interface de communication (101) de la partie processeur video (100); ladite partie (100) charge les fichiers VGA et MPEG correspondant a l'information de vente de produit enregistree dans la memoire externe (107) apres reception de l'information de vente de produit depuis la partie distributeur (200); les fichiers en question sont ensuite affiches via le dispositif multivideo (108), apres reception des fichiers VGA et MPEG depuis le reseau informatique.

13/3,AB/7 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00309090

METHODS FOR MONITORING A PLURALITY OF REMOTE LOCAL UNITS CONNECTED IN A NETWORK AND GENERATING MESSAGES THEREFROM, AND A DEVICE EMPLOYED IN SAID LOCAL UNITS

PROCEDES DE CONTROLE DE PLUSIEURS UNITES LOCALES A DISTANCE RACCORDEES A UN RESEAU, ET DE PRODUCTION DE MESSAGES DANS CELLES-CI, ET DISPOSITIF MIS EN OEUVRE DANS LESDITES UNITES LOCALES

Patent Applicant/Assignee:

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Inventor(s):

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Patent and Priority Information (Country, Number, Date):

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Application: WO 95NO60 19950330 (PCT/WO NO9500060)

Priority Application: NO 94122 19940330

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IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU
SD SE SG SI SK TJ TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB
GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 15543

English Abstract

A method for monitoring a distributed system for supplying goods and services allows for the generation of messages concerning the state of the system. The system comprises a number of local units which may be e.g. vending machines. The generation of messages is based on certain definitions of events, message types, and when the messages should be generated. The definitions are stored in a microcontroller in each local unit which communicates with a host computer in a control center. Defined events are detected and registered in the local unit and compared with predetermined control criteria before a message is transmitted to the host computer according to the preset definitions and used for updating. The resulting information is used for managing and servicing the system. In particular applications the method allows for generation of alarms, the operation of electronic coin units and inventory control and sales prognoses.

French Abstract

Procede de controle d'un systeme decentralise proposant des biens et des services. Ce procede permet de produire des messages concernant l'etat du systeme. Le systeme comporte un certain nombre d'unites locales telles que des distributeurs automatiques. La production des messages se fait en fonction de certaines definitions d'evenements, de certains types de messages et des heures auxquelles les messages doivent etre produits. Les definitions sont stockees dans un microcontroleur dans chacune des unites locales mises en communication avec un ordinateur central dans un centre de commande. Des evenements definis sont detectes et enregistres dans l'unité locale puis compares avec des criteres de commande predeterminees avant la transmission d'un message a l'ordinateur central suivant les definitions predeterminees, et son utilisation pour la mise a jour. Les informations ainsi obtenues sont utilisees dans la gestion et l'entretien du systeme. Dans certains applications particulières, le procede permet d'emettre des alarmes, de commander des unites electroniques a monnaie et d'obtenir des pronostics de ventes et de gestion du parc.

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11/3,AB/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01296433
SYSTEM AND METHOD OF *AGGREGATING* *DATA* FROM A PLURALITY OF DATA
GENERATING MACHINES
Système et Procede d'Aggregation de Données à Partir de Plusieurs Machines
de Production de Données
PATENT ASSIGNEE:
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20191-5416, (US), (Applicant designated States: all)
INVENTOR:
STALLMANN, Mark, 603 East Wilson Avenue, Lombard, IL 60148, (US
PATENT (CC, No, Kind, Date): WO 200131553 010503
APPLICATION (CC, No, Date): EP 2000973893 001027; WO 2000US29529 001027
PRIORITY (CC, No, Date): US 161907 P 991028
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LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
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LANGUAGE (Publication,Procedural,Application): English; English; English

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00797982
SYSTEM AND METHOD OF *AGGREGATING* *DATA* FROM A PLURALITY OF DATA
GENERATING MACHINES
Système et Procede d'Aggregation de Données à Partir de Plusieurs Machines
de Production de Données
Patent Applicant/Assignee:
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US, US (Residence), US (Nationality), (For all designated states
except: US)
Patent Applicant/Inventor:
STALLMANN Mark, 603 East Wilson Avenue, Lombard, IL 60148, US, US
(Residence), US (Nationality), (Designated only for: US
Legal Representative:
DONNER Irah H (et al) (agent), Hale and Dorr LLP, 1455 Pennsylvania
Avenue, N.W., Washington, DC 20004, US,
Patent and Priority Information (Country, Number, Date):
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Application: WO 2000US29529 20001027 (PCT/WO US0029529)
Priority Application: US 99161907 19991028
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DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12524

English Abstract

A system and method for *collecting* and *aggregating* *data* from a plurality of data generating vending machines (618, 618', 618"). Each vending machine transmits data to a central computer (612) via a different transmission path. Vending machine (618) transmits data to regarding machine inventory and/or sales of goods to the central computer (612) via a terrestrial wireless network (604). Vending machine (618') transmits data regarding machine inventory and/or sales of goods to the central computer (612) via a satellite network comprised of, for example, satellite (614), ground station (608) having a receiving antenna (610), and a relay base (602).

French Abstract

L'invention concerne un système et un procédé de collecte et d'agréation de données, à partir de plusieurs distributeurs automatiques (618, 618', 618") produisant des données. Chaque distributeur transmet des données à l'ordinateur central (612) par l'intermédiaire d'un trajet de transmission différent. Le distributeur (618) transmet à l'ordinateur central (612) des données relatives au stock du distributeur et/ou aux ventes de marchandises, par l'intermédiaire d'un réseau sans fil terrestre (604). Le distributeur (618') transmet à l'ordinateur central (612) des données relatives au stock du distributeur et/ou aux ventes de marchandises, par l'intermédiaire d'un réseau satellitaire composé, par exemple, d'un satellite (614), d'une station au sol (608) dotée d'une antenne réceptrice (610), et d'une base de relais (602).

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